Marine Corps

Spectrum Management

DoD Spectrum Workshop
7-11 Dec 2009

Headquarters, United States Marine Corps
Command, Control, Communications & Computers
(HQMC C4)

Unclassified

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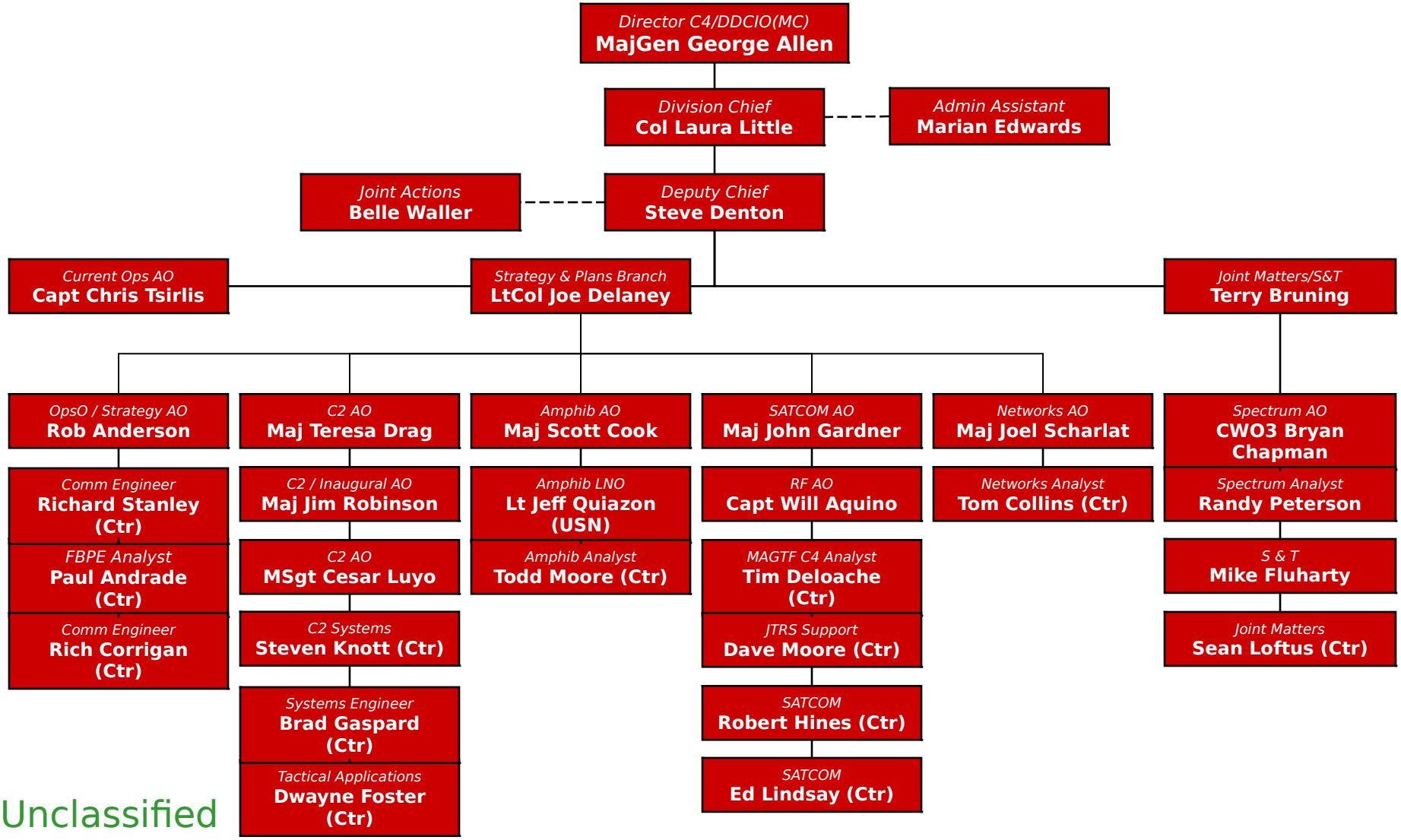
Organization

HQMC C4, Strategic Planning Division (CS)



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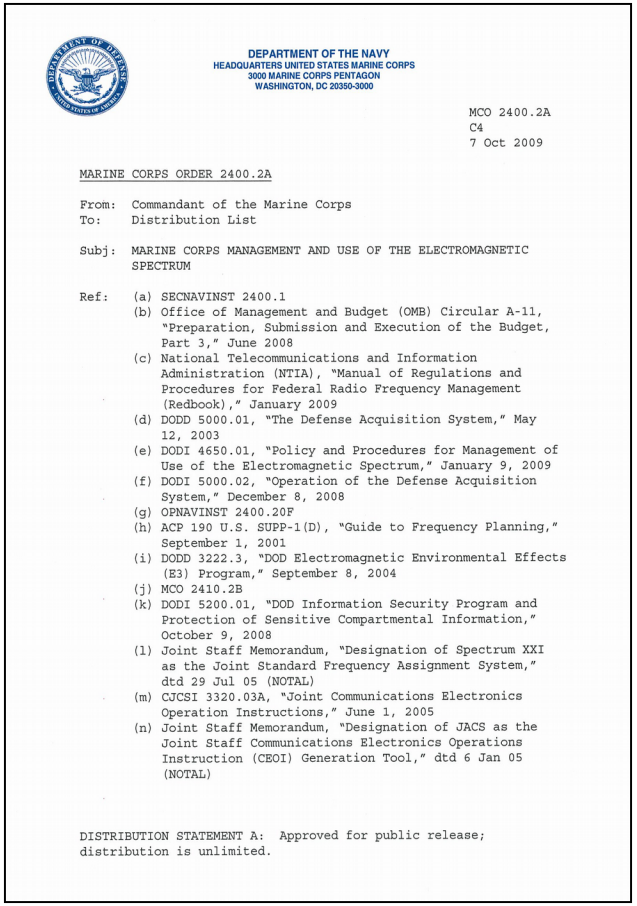
Spectrum Planning Section

- Mission
  - Establishes Marine Corps policy, oversight, guidance and procedures relating to the proper and efficient management of the electromagnetic spectrum.
  - Provides Marine Corps representation (at the policy level) to various national, DoD, Joint, and DON organizations.
  - Provides administrative, technical and operational support to the Operating Forces and Supporting Establishment in support of Marine Corps electromagnetic spectrum operational requirements.

Marine Corps Order 2400.2A

- Marine Corps Management and Use of the Electromagnetic Spectrum

  - Signed – 7 Oct 2009
  - Purpose and Intent:
    - Establishes policy, guidance and procedures.
    - Provides command relationships and specific roles and responsibilities.
    - Ensures spectrum supportability and HNC are considered during the acquisition process/system lifecycle.
    - Ensures consideration of the electromagnetic spectrum during all phases of MAGTF planning.
    - Standardizes and provides procedures in support of spectrum management operations.



DEPARTMENT OF THE NAVY
HEADQUARTERS UNITED STATES MARINE CORPS
3000 MARINE CORPS PENTAGON
WASHINGTON, DC 20350-3000

MCO 2400.2A
C4
7 Oct 2009

MARINE CORPS ORDER 2400.2A

From: Commandant of the Marine Corps
To: Distribution List

Subj: MARINE CORPS MANAGEMENT AND USE OF THE ELECTROMAGNETIC SPECTRUM

Ref: (a) SECNAVINST 2400.1
(b) Office of Management and Budget (OMB) Circular A-11, "Preparation, Submission and Execution of the Budget, Part 3," June 2008
(c) National Telecommunications and Information Administration (NTIA), "Manual of Regulations and Procedures for Federal Radio Frequency Management (Redbook)," January 2009
(d) DODD 5000.01, "The Defense Acquisition System," May 12, 2003
(e) DODI 4650.01, "Policy and Procedures for Management of Use of the Electromagnetic Spectrum," January 9, 2009
(f) DODI 5000.02, "Operation of the Defense Acquisition System," December 8, 2008
(g) OPNAVINST 2400.20F
(h) ACP 190 U.S. SUPP-1(D), "Guide to Frequency Planning," September 1, 2001
(i) DODD 3222.3, "DOD Electromagnetic Environmental Effects (E3) Program," September 8, 2004
(j) MCO 2410.2B
(k) DODI 5200.01, "DOD Information Security Program and Protection of Sensitive Compartmental Information," October 9, 2008
(l) Joint Staff Memorandum, "Designation of Spectrum XXI as the Joint Standard Frequency Assignment System," dtd 29 Jul 05 (NOTAL)
(m) CJCSI 3320.03A, "Joint Communications Electronics Operation Instructions," June 1, 2005
(n) Joint Staff Memorandum, "Designation of JACS as the Joint Staff Communications Electronics Operations Instruction (CEOI) Generation Tool," dtd 6 Jan 05 (NOTAL)

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Personnel & Training

- Spectrum Management Officer (MOS 0640)
  - 10 T/O billets (WO-CWO4)
    - Currently 80% staffed
- Spectrum Manager (NMOS 0648)
  - 41 T/O billets (SSgt- MGySgt)
    - Currently 96% staffed
    - Continuing Challenges
      - Remains a skill designator
      - MMEA gapping of billets / T/O vs. Staffing Goal
      - CMC Guidance: “Every Marine into the fight”

HQMC C4 is currently working to indentify opportunities for increase.

Personnel & Training (Cont.)

- Electromagnetic Spectrum Management Course (ESMC)
  - 18 seats (annually)
  - Review/update of TECOM documentation
- Joint Task Force (JTF) Spectrum Management Course
  - 18 seats (annually) (40 students since 2003)
  - Remains unit funded – HQMC C4 working with TECOM to rectify
- Other Ongoing Training Efforts
  - Development/implementation of SM curriculum at USMC formal school houses
    - Communications Officer Courses (MCB Quantico)
      - BCOC, ACOC and WOCC (WO and 2ndLt through Maj/LtCol)
    - Marine Corps Communications-Electronics School (MCCES)
      - Radio Chief and Comm Chief courses (SSgt through MGySgt)
  - NTIA Radio Frequency Management Course
    - WO/CWO and Senior operational billets

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Spectrum Supportability

- Continuing challenge
  - Critical documentation of system characteristics, technical data and administrative information
    - Spectrum management requirement levied on the acquisition process
    - People centric, manual process
    - Lacks responsiveness for rapid acquisition
    - OPRFOR procurements
  - HNA/HNC is not standardized between COCOMs
    - HNSWD-O is decreasing some of the pain
    - Little/no influence over the host nation process/timeline
  - HQMC C4 and MARCORSYSCOM working to standardize the Marine Corps process

GOAL: *Spectrum supportability, certification and host nation approval completed prior to being fielded to the intended user.*

Ongoing USMC Issues

- Iraq and Afghanistan operational support
  - Pre-deployment training
  - Spectrum supportability - UUNS (rapid acquisition)
- World Radio Conference (WRC) 2012
  - Coordinating with/supporting DON CIO lead
- Pending legislation for inventory and subsequent spectrum reallocation and auction
  - Significant potential impact to day-to-day ops/training
- Global Electromagnetic Spectrum Information System (GEMSIS)

Ongoing USMC Issues (Cont.)

- USMC 5-year/Overdue Records Review
  - Background
    - NTIA mandates all Federal agencies establish and Maintain a Frequency Record Review Program
      - MCO 2400.2A establishes the USMC process and procedures
      - Approx 9,000 USMC records within US&P (COCOMS responsible OCONUS)
      - Spectrum fees are assessed by how many agency records are in the Government Master File (GMF) on 1 Oct
  - USMC Implemented "MC" Agency Serial Numbers in Dec 07
    - Enabled USMC responsibility/accountability for requirements/resources
      - Previously, all DON records were identified by an "N" prefix
      - USMC was paying 14% of the overall Navy spectrum bill despite actual usage
      - USMC lacked sufficient visibility of frequency assignments/requirements
    - **Implementation was successful and has significantly improved USMC management of frequency records**

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Ongoing USMC Issues (Cont.)

- First formal iteration of new process started Jan 09
  - HQMC C4 tasked the MARFORs to coordinate the review
    - Approx 1,200 USMC records within US&P (MFC, MFP, MFR) were identified
      - Included all records requiring review, were overdue for review or expired by 31 Dec 2009
    - Identified 21% for deletion – Major reasons:
      - Operational requirement no longer valid
      - Equipment no longer in the inventory
      - Units no longer active/geographic location changes
  - Working to complete NLT 31 Dec 09
    - 8% remain in-progress – HQMC C4 coordinating with the MARFORs to complete
    - 2010 and subsequent reviews should be less burdensome
    - Established process and procedures were validated

Contact Information

CWO3 Bryan Chapman
Spectrum Management Officer
COMM (703) 694-3477
DSN (312) 694-3477
NIPRNET bryan.chapman@usmc.mil
SIPRNET chapmanbg@hqmc.usmc.smil.mil
JWICS chapmanbg@usmc.ic.gov

Mr. Randy Peterson
Spectrum Analyst
COMM (703) 694-3477
DSN (312) 694-3477
NIPRNET randolph.peterson@usmc.mil
SIPRNET petersonra@hqmc.usmc.smil.mil

Organizational E-mail Addresses

NIPRNET hqmc_c4_spectrum@usmc.mil
SIPRNET hqmc_c4_spectrum@hqmc.usmc.smil.mil

Questions